### IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANT:

Je H. LEE et al.

SERIAL NO.:

09/118,824

(Subsequently reissued as U.S. RE38,868 on

November 8, 2005)

(Reissue of U.S. Patent No. 5,587,789, which issued on

December 24, 1996)

FILED:

July 20, 1998

FOR:

APPARATUS AND METHOD FOR CONTROLLING

RECORDING AMD REPRODUCTION IN DIGITAL

VIDEO CASSETTE TAPE RECORDER

## SUPPLEMENTAL DECLARATION OF SANG JOON WOO

This Supplemental Declaration is supplemental to the Combined Declaration and Power of Attorney filed on April 13, 1994, which was filed in relation to U.S. application 08/227,281. This Supplemental Declaration is also supplemental to the Combined Reissue Declaration and Declaration of Attorney filed on July 20, 1998, the Supplemental Reissue Declaration filed on December 20, 1999, and the Supplemental Declaration For Reissue Patent Application To Correct "Errors" Statement filed on June 4, 2002, each of which was filed in relation to U.S. reissue application 09/118,824.

I, Sang Joon Woo, hereby declare as follows:

My name, residence and citizenship are indicated below.

I am a named co-inventor of U.S. RE38,868, which reissued on November 8, 2005 from reissue application 09/118,824 ("the '824 Reissue Application").

RE38,868 is a reissue of U.S. Patent 5,587,789 ("the '789 patent"), which issued on December 24, 1996 from U.S. patent application 08/227,281 ("the '281 Application"), of which I also am a named co-inventor.

### A. The Declaration Related to the '281 Application

On or before April 6, 1994, I received a draft of the '281 Application from Mr. Gi-Up Cho of LG Electronics Inc. ("LGE") in both the Korean and English language, which I reviewed and understood. Mr. Cho also informed me that a Combined Declaration and Power of Attorney ("Declaration") was required for the '281 Application, and he generally explained its content to me. After receiving his explanation, I authorized Mr. Cho to have my name signed on my behalf at the end of the Declaration. Upon information and belief, the executed document was filed in the U.S. Patent and Trademark Office ("USPTO") on April 13, 1994. By authorizing Mr. Cho to have my name signed on my behalf, I did not intend to deceive the USPTO.

### B. The Declarations Related to the '824 Reissue Application

On May 19, 1998, I understood and personally signed the Combined Reissue Declaration and Power of Attorney ("Reissue Declaration") related to the '824 Reissue Application. Upon information and belief, the Reissue Declaration was filed in the USPTO on July 20, 1998.

On December 10, 1999, I understood and personally signed the Supplemental Reissue Declaration related to the '824 Reissue Application. Upon information and

belief, the Supplemental Reissue Declaration was filed in the USPTO on December 20, 1999. By the time I signed the Supplemental Reissue Declaration, I was no longer employed by LGE.

On or before May 28, 2002, I received a telephone call from Mr. Yeo Han Yun of LGE, who informed me that a Supplemental Declaration For Reissue Patent Application To Correct "Errors" Statement (37 CFR 1.175) ("Second Supplemental Declaration") was required for the '824 Reissuc Application. Mr. Yun explained to me the substance of the Second Supplemental Declaration over the telephone in the Korean language. I told Mr. Yun that the Second Supplemental Declaration was correct, and I authorized Mr. Yun to have my name signed on my behalf at the end of the document. Upon information and belief, the executed document was filed in the USPTO on June 4, 2002. By authorizing Mr. Yun to have my name signed on my behalf, I did not intend to deceive the USPTO.

I have re-read and re-reviewed all of the statements made in each of the above-identified declarations, copies of which are attached hereto as Exhibits A-D, and I reaffirm that all of the statements made therein of my own knowledge are true, and that all statements made therein on information and belief are believed by me to be true.

I further declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed by me to be

Attorney Docket No. 2950-0141P Serial No. 09/118,824

true. These statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of RE38,868.

Sang Joon W	O	O
-------------	---	---

Signature:

Date: 03/06/08

Residence: Seoul, Korea Citizenship: Republic of K

Citizenship: Republic of Korea
Address: 42-45, Yeokchon-Dong

42-45, Yeokchon-Dong, Eunpyung-Ku, Seoul, KOREA

# EXHIBIT A

### COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO.

As a below named inventor, I hereby declare that: my residence post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: 

APPARATUS FOR CONTROLLING RECORDING AND REPRODUCTION

IN DIGITAL VIDEO CASSETTE TAPE RECORDER

Check Box U	
Appropriete	
For Use Without	1
profice see	
A read and	

he	specification of which is attached hereto unless one of the following boxes is checked:
	The Specification was filed on and was assigned
	Serial No and was amended on
	was filed as PCT international application number on
	and was amended under PCT Article 19 on
	(if applicable).
	I havely core that I have environed and understand the contents of the phaye identify

specification, including the claims, as amended by any amendment referred to above.

1 acknowledge the duty to disclose information material to patentability as defined in Title 37. Code of Federal Regulations, §1.56.

1 do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application. that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows:

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below:

Prior Foreign Application(s)			Priority	Claimed
6441/1993	Korea	April 16, 1993	50	_
(Number)	(Country)	(Month/Day/Year Filed)	Yes	No.
(Number)	(Country)	(Month/Day/Year Filed)	Yes	D No
(Nurober)	(Country)	(Month/Day/Year Filed)	□ Yes	D No
(Number)	(Country)	(Month/Day/Year Filed)	Yes	□ ×°
(Number)	(Country)	(Month/Day/Year Filed)	CI Yes	
All Foreign Applications, if	any, for any Patent	or Inventor's Certificate Filed	More T	

Months (6 Months for Designs) Prior To The Filing Date of This Application:

Country	Application No.	Date of Filing (Month/Day/Year)
	<del></del>	

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	. (Filing Date)	(Status - patented, pending, abandoned
(Application Serial Na.)	' (Filing Date)	(Survs - patented, pending, abandoned

I hereby appoint the following attorneys to prosecute this application and or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary.

RAYMOND C. STEWART (Reg. No. 21.066)
JOSEPH A. KOLASCH (Reg. No. 72.463).
JAMES M. SLATTERY (Reg. No. 25.380)
DONALD C. KOLASCH (Reg. No. 26.3038).
CHARLES GORENSTEIN (Reg. No. 29.221)
LEONARD R. SYENSSON (Reg. No. 30.330).
MARC S. WEINER (Reg. No. 32.181)

TERRELL C. BIRCH (Reg. No. 19.382)
ANTHONY L. BIRCH (Reg. No. 26.122)
BERNARD L. SWEENEY (Reg. No. 24.448)
MICHAEL K. MUTTER (Reg. No. 29.680)...
GERALD M. MURPHY, JR. (Reg. No. 28.977)
TERRY L. CLARK (Reg. No. 32.644)
ANDREW D. MEIKLE (Reg. No. 32.688)

PLEASE NOTE: +
YOU BUST
COMPLETE THE
FOLLOWING:

Send Correspondence to: BIRCH, STEWART, KOLASCH AND BIRCH P.O. Box 147.

Falls Church, Virginia 27040-0747 Telephone: (703) 205-8000 Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	1 1/6			
Futi Name of First or Sole	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE	/	*DATE
Insert hisme of inventor  Insert Date This Discussed in Stoned	Je Hyung LEE	Je Hyu	ng lee	4/6/94
insert Residence Insert Citizenship	RESIDENCE (City, Suite & Courtery)		CITIZENSKIP	
until Community	Seoul, Korea		Rep. of Kor	ea
Insert Post Office	POST OFFICE ADDRESS (Complete Street Address including C	Hy. Siste E Country)	,	
Address	35-30, Hwayang-Dong, Sungd		Korea ドスy	
Fu2 Name of Bosond Inventor, # sny:	GIVEN NAME	INVENTOR'S SIGNATURE	une 16:	DATE /
ese abare	Soo Kyung KIM	100 1cg	J / Com	4/0/94
	RESIDENCE (Cer. Size & Country)	7	CITIZENSHIP	
	Seoul, Korea		Rep. of Kor	69
	POST OFFICE ADDRESS (complete Street Address including C	•		
	237-188, Sinsa-Dong, Eunpy	ung-Ku, Seoul,	Korea /	( ) y:
terrentor, it tors: 1 (7.7)				DATE
nes above	Sang Joon WOO	Gang Jour	woo	4/6/24
	RESIDENCE (City, Sime & Country)	7 0	CITIZENSHIP	7
	Seoul, Rorea		Rep. of Kor	ea
	POST OFFICE ADDRESS (Company Steel Address meaning Co			
	42-45, Yeokchon-Dong, Eunpyung-Ku, Seoul, Korea			
st Name at Fourth 'menter, it eny:	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE	1	'DATE
ses above	Tae Seok YANG	11.5.	Jung	4/6/94
	RESIDENCE (Cry. State & Country)		CITIZENSHIP	
	Seoul, Korea		Rep. of Kor	ea.
	POST OFFICE ADDRESS (Complete Street Address including Co			
	30-12, Sungsan-Dong, Mapo-	Ku, Seoul, Korea	ير نم ا	4
re of FIRh or, it eng:	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		'DATE
see abors				
	RESIDENCE (Cky. Sine & Country)		CITIZENSHIP	
Must be completed e this document is		(		ļ
e via opcument is	POST OFFICE ADDRESS (Complete Street Address including Cit	ty, State & Country)		
2 of 2	•			
O Approved 3-90) ed 7-93)				

## EXHIBIT B

PATENT 2922-1021

#### IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANT:

Je H. LEE et al.

SERIAL NO.:

NEW

(Reissue of U.S. Patent No. 5,587,789)

FILED:

(Issued: December 24, 1996)

FOR:

APPARATUS AND METHOD FOR CONTROLLING RECORDING AND REPRODUCTION IN DIGITAL

VIDEO CASSETTE TAPE RECORDER

### COMBINED REISSUE DECLARATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare as follows:

That our names, residence and citizenship are indicated below;

That we have reviewed and understand the contents of the attached relssue application including original claims 1-22 and newly submitted claims 23-58;

That we acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a);

That we verily believe that we are the original, first and only joint inventors of the invention described and claimed in United States Patent No. 5,587,789 entitled "APPARATUS, AND METHOD FOR CONTROLLING RECORDING AND REPRODUCTION IN DIGITAL VIDEO CASSETTE TAPE RECORDER" and in the foregoing specification for which invention we respectfully solicit a reissue patent;

8602/0" 42881160

known or used before our invention or discovery thereof; or patented or described in any printed publication in any country before our invention or discovery thereof, or more than one (1) year prior to the filling of our original application for United States Letters Patent No. 5,587,789 of which that is an application for reissue; or in public use of on sale in the United States of America for more than one (1) year prior to the filling of the original application; that the invention has been patented or made the subject of an inventor's certificate issued before the date of the original application in any country foreign to the United States of America on an application filled by its or our legal representatives or assignees more than twelve (12) months prior to said original application and that no application for patent or inventor's certificate have been filled by us or our legal representatives or assignees in any country foreign to the United States of America on the original patent;

That we verily believe that there are errors in the original patent which make such original patent partially inoperative by reason of claiming less than we had a right to claim and that all errors being corrected in the reissue application up to the time of filing of this declaration arose without any deceptive untent;

That, more specifically, with respect to independent apparatus claim is the errors include specific recitation of the detailed functions of the frame recogning position controlling means and the frame removing means; that, more specifically, with respect to independent apparatus claim 11, the errors include specific recitation of the detailed functions of the frame position information recording means with

860220°h2887760

respect to index information; that, more specifically, with respect to independent method claims 19, the errors include specific recitation of the details of the calculating step; and that, more specifically, with respect to independent method claim 21, the errors include specific recitation of the details of the recording step with respect to index information;

That for this reason, there are errors in the original patent claims which rendered the original patent partially inoperative by falling to broadly claim the aspects of our invention.

Thus, newly submitted independent claims 23, 33, 42, and 52 are presented to cure the inadequacies of present claims 1-22. Claims 24-32, 34-41, 43-51, and 53-58 are all directly or indirectly dependent from claims 23, 33, 42, and 52, respectively. Each of these dependent claims is necessary to recite other features of the invention or to further define the basic elements of the invention recited in the independent claims. Claims 23-58 are not equivalent in scope to any of claims 1-22.

Upon review of the prior art cited during the examination of the original application, and the further documents submitted herewith, we do not believe that any of the documents disclose or suggest the invention as set forth in any of the claims 1-58, and that we are entitled to the more comprehensive protection represented by newly offered claims 23-58. As such, we believe that all of the claims 23-58 are necessary to protect our invention with claims of varying scope, and to correct for the insufficiencies of claims 1-22.

Applicants hereby offer to surrender the original Letters Patent No. 5,587,789.

1

860220 hz88TF60

substitute and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office in connection therewith, and request that all correspondence with respect to this application be directed to:

#### BIRCH, STEWART, KOLASCH & BIRCH, LLP. P.O. Box 747 Falls Church, Virginia 22040-0747 USA

Terrell C. Birch	(Reg. No. 19,382)	Raymond C. Stewart	(Reg. No. 21,066)
Joseph A. Kolasch	(Reg. No. 22/463)	James M. Slattery.	(Reg: No. 28,380)
Bernard L. Sweaney	(Rog. No. 34,448)	Michael K. Mutter	(Reg. No. 29,680)
Charles Gorenstein	(RES. No. 29,271)	Gereld M. Murphy, Jr.	(Regi-No. 28,997)
Leonard R. Svensson	(Reg. No. 30,330)	Terry L. Clark	(Reg. No. 32,644)
Andrew D. Meikle	(Reg. No. 32,868)	Marc S. Weiner	(Reg. No.32,181)
Jos McKinney Muncy	(Reg. No. 32334)	Andrew F. Reish	(Reg. No. 33,443)
C. Joseph Fered	(Reg. No. 32,350)	Doraid J. Deley	(Reg. No. 34,313)

WHEREFORE, the Petitioners hereby offer to surrender, upon the allowance of said application, the original of said Letters Patent and prays that Letters Patent be reissued to Petitioners for the invention of patent claims 1-22 with the newly presented claims 23-58;

The undersigned declares further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are purishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and

relasue patent issuing thereon. Je Hyung LEE Residence: Seoul Korea Citizenship: Republic of Kores Address: 35-30, Hwayang-Dong, Sungdong-Ku, Seoul, Korea Soo Kiyung KIM Signature: Residence: Seoul, Korea Citizehship: Republic of Korea Address: #237-188, Sinsa-Dong, Hunpyung-Ku, Seoul, Korea Sang Joon WOO Signature: Residence: Seoul, Korea Citizenship: Republic of Korea 42-45, Yeakchon-Dong, Europyung-Ku, Seoul, Korea Address: . . . . . . . . . . . . Tae Stok YANG Signature: Residence: Seoul, Korea Citizenship: Republic of Korea Address: 30:12, Sungsan-Dong, Mapo-Ku, Seoul, Korea  $\mathcal{M}_{\gamma}$ 

Had il.

Attorney Docket No. 2922-102P

that such willful false statements may jeopardize validity of the application or any

# EXHIBIT C



Je H. LEE et al.

SERIAL NO.:

09/118,824

(Reissue of U.S. Fatent No. 5,587,789)

FILED:

July 20, 1998

(Issued: December 24, 1996)

FOR:

APPARATUS AND METHOD FOR CONTROLLING RECORDING AND REPRODUCTION IN DIGITAL

VIDEO CASSETTE TAPE RECORDER

#### SUPPLEMENTAL REISSUE DECLARATION

Supplemental to the Reissue Declaration filed on July 20, 1998, Applicants hereby declare as follows:

That our names, residence and citizenship are indicated below;

That we hereby claim foreign priority benefits under Title 35, U.S.C. §119 of prior Korean application 58080/1996 filed on November 27, 1996; and

That every error in the patent which was corrected in the present reissue application, and is not covered by a prior oath/declaration submitted in this application, arose without any deceptive intention on the part of the Applicant.

The undersigned declares further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful

DEC-16-99 10:50 FROM:CISCO SYSTEMS KP UBU

10:4005272545

AGE 3/4

Attorney Docket No. 2950-0141P Serial No. 39/118,824

false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize validity of the application or any reissue patent issuing thereon.

le	Hyung	LEE
,,,	4 47 4116	باستيا

Signature:\_\_

Date: Dec. 16. 1999.

Residence: San Jose, CA Citizenship: Republic of Korea

Address: 350 Elan Village Ln #203, San Jose, CA 95134

Soo Kyung KIM

ture:\_\_\_

Date: Doc. 13, 1999

Residence: Seoul, Korea

Citizenship: Republic of Korea
Address: 356, Newsinsung A

356, Newsinsung Apt. 102-107 Sinsa-Dong, Eunpyung-Ku,

Scoul, KOREA

Sang Joon WOO

Signature:\_\_\_

Date: 12/10/99

Residence: Seoul, Korea

Citizenship: Republic of Korea

Address: 42-45, Yeokchon-Dong, Eunpyung-Ku, Seoul, KOREA

DEC-16-98 10.50 FROM: CISCO SYSTEMS KP WOU

1D:4085272545

PACE

Attorney Docket No. 2950-0141P Serial No. 09/118,824

Residence: Seoul, Korea

Citizenship: Republic of Korea

132-1303 Lotte Apt. Soonae-Dong Bundang-Gu Soengnam-Shi, Kyunggi-Do, KOREA

# EXHIBIT D

e veid OMB control of

SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37-CFR 1,175)

2950-0141P Attorney Cocket Mumber Je H. LEE ct al First Ramed Inventor COMPLETE 09 , 118,824 July 20, 1998 Application Number Franç Data Group Art Unit 2615 T. TRAN

I/We hereby declare that:

JUN 0 4 2002

PADENIE

Every error in the patent which was corrected in the present release application, and which is not covered by the prior cath(s) and/or declaration(s) submitted in this application, prose without any deceptive intention on the pan of the applicant.

IrWs hereby deciare that all statements made horsin of mylour own knowledge are true and that all statements made on information and belief are balleved to be true; and further that those statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may juopardize the validity of the application or any patent issued thereon.

Name of Sole of First Inventor:	A petition has been filed for this unaligned inventor			
Given Name (first and middle (if anyl)	Family Name of Surname			
Je Hyung	LEE			
Signature Smith		· Dato >	por.f.	
Harno of Second invertion	🔲 -A petition has been fi	led for this unalgned inventor		
Given Name (Sixt) and middle (Sixt))	Family	(Name of Summers		
Soo Kyung	KTH			
Inventor's Signature William		Date :	1001.5.2	
Name of Yhlind Inventor:	A paddon has been	fied for this unsigned inventor		
(I)ven Name (first and middle (fi sny))	Fam	By Name of Statement		
San Joon	1900			
Inventors / / / Signature / / /		. Data	co> . <u>f.</u> > §	
Name of Pourth Inventors	A partition has been	Rad for this unsigned inventor		
(gen h) which thus tard) emet never		emily Name or Sumame		
Tae Seck	YANG			
inventor's yeary. True:	Leol .	Date Jo	12.5.28	

Pers 1 cd 1)